

L Number	Hits	Search Text	DB	Time stamp
1	7054	(transmi\$7 adj rate) and compensat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:23
2	4308	((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:17
3	321	((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:19
4	225	(((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:19
5	165	(((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:20
6	136	((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain)) and (frequency adj domain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:21
7	57	((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain)) and (frequency adj domain)) and "DMT"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:21
8	2872	(transmi\$7 adj rate) and compensation	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:24
9	1836	((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:24
10	202	((((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4))) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:24
11	142	(((((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4))) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))) and (((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:24
12	103	(((((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4))) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))) and (((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:24
13	84	((((((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4))) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and (((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain))) and (((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate)) and (time adj domain)) and (frequency adj domain))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:25

14	30	(((((((transmi\$7 adj rate) and compensation) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)))) and (((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and (time adj domain))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and (time adj domain))) and (frequency adj domain))) and ((((((transmi\$7 adj rate) and compensat\$3) and (zer\$pad\$4 or zero pad\$4)) and (IFFT or FFT)) and (data adj rate))) and (time adj domain))) and (frequency adj domain))) and "DMT")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 14:25
-	386	375/220.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:14
-	2060	375/222.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 13:53
-	658	375/260.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 13:53
-	314	341/61.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:02
-	1188	370/465.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:02
-	744	370/535.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:03
-	570	370/537.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:04
-	302	370/538.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:04
-	96	370/539.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:05
-	45	370/541.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:05
-	51	370/543.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:08
-	5158	"DMT"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:08

-	2970	86, 92, 375/260.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:09
-	240	(86, 92, 375/260.ccls.) and "DMT"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:10
-	492155	downstream same3 upstream	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:10
-	177	((86, 92, 375/260.ccls.) and "DMT") and (downstream same3 upstream)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:12
-	13898	"codec"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:12
-	25	((((86, 92, 375/260.ccls.) and "DMT") and (downstream same3 upstream))) and "codec"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:22
-	1	"05790514"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:56
-	3	"06285654"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 14:59
-	181	370/536.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:24
-	10	370/536.ccls. and 370/537.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:32
-	1652	116, 128, 134, 140, 146, 370/543.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:33
-	1617	pad\$4 near zero	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:34
-	1617	zero near pad\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:35
-	2	(116, 128, 134, 140, 146, 370/543.ccls.) and (zero near pad\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:42
-	13723	"fft"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:42
-	1780	"ifft"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:42

-	628	(time adj domain adj equalizer) or "TEQ"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:45
-	522712	158, 176, 188, 224, 242, 248, ((time adj domain adj equalizer) or "TEQ")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 15:47
-	266	(116, 128, 134, 140, 146, 370/543.ccls.) and (158, 176, 188, 224, 242, 248, ((time adj domain adj equalizer) or "TEQ"))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:11
-	6550	(rate same compensat\$4) same transmi\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/14 13:13
-	15	((116, 128, 134, 140, 146, 370/543.ccls.) and (158, 176, 188, 224, 242, 248, ((time adj domain adj equalizer) or "TEQ")))) and ((rate same compensat\$4) same transmi\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:22
-	955	375/219.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:26
-	3788	164, 375/219.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:28
-	267	(164, 375/219.ccls.) and "DMT"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:29
-	191	((164, 375/219.ccls.) and "DMT") and (downstream same3 upstream)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:30
-	2	((164, 375/219.ccls.) and "DMT") and (downstream same3 upstream)) and (zero near pad\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/19 16:30
-	1105	370/498.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:15
-	1750	370/503.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:21
-	2852	(transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:35
-	6370	(zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:46
-	8	((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and ((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:39
-	1021	375/219.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:43

-	2175	375/222.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:43
-	683	375/377.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:43
-	3663	9, 10, 375/377.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:43
-	1	((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and ((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path))) and (9, 10, 375/377.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:44
-	14	((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and (9, 10, 375/377.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:54
-	4598	375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 07:58
-	18	((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and (375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:27
-	3	"06252920"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:19
-	1	"05940459"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:19
-	1	((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path)) and ((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and (375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:29
-	1	((transmi\$6 adj1 rate adj1 compensat\$4) same2 (rate near compensat\$4)) and ((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path))) and (375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:35
-	21	(transmi\$6 adj1 rate adj1 compensat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:35
-	1	((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path)) and (375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.) and ((transmi\$6 adj1 rate adj1 compensat\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 08:36
-	139	((zero-pad\$5 or zero\$pad\$4) same1 (transmit\$4 adj1 path)) and (375/219-222.ccls. or 375/377.ccls. or 375/260.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 14:39
-	5	"cyclic prefix" and bocure.xp.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 11:10
-	7	"cyclic prefix" and (bocure.xp. or bocure.xa.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 11:11

-	3	"06285720"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 14:40
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	Document ID	Issue Date	Pages	Title	Current OR
1	US 20030231700 A1	20031218	148	Vertical adaptive antenna array for a discrete multitone spread spectrum communications system	375/144
2	US 20030165159 A1	20030904	14	Method for compensating for peak values during a data transmission with discrete multitone symbols and a circuit arrangement for carrying out the method	370/465
3	US 20030086366 A1	20030508	115	Adaptive communications methods for multiple user packet radio wireless networks	370/208
4	US 20020159506 A1	20021031	148	Vertical adaptive antenna array for a discrete multitone spread spectrum communications system	375/147
5	US 20020122465 A1	20020905	179	Highly bandwidth-efficient communications	375/141
6	US 20010031016 A1	20011018	15	Enhanced bitloading for multicarrier communication channel	375/264
7	US 6735255 B1	20040511	20	Correlation based method of determining frame boundaries of data frames that are periodically extended	375/260
8	US 6643340 B1	20031104	7	Carrier phase derived symbol timing	375/354
9	US 6628704 B1	20030930	20	Equalizer training for ADSL transceivers under TCM-ISDN crosstalk environment	375/219
10	US 6621851 B1	20030916	180	Priority messaging method for a discrete multitone spread spectrum communications system	375/130
11	US 6608864 B1	20030819	10	Method and apparatus for fault recovery in a decision feedback equalizer	375/233
12	US 6600776 B1	20030729	144	Vertical adaptive antenna array for a discrete multitone spread spectrum communications system	375/147
13	US 6584144 B2	20030624	143	Vertical adaptive antenna array for a discrete multitone spread spectrum communications system	375/147

	Current XRef	Inventor	Image Doc. Displayed
1		Alamouti, Siavash et al.	US 20030231700
2	370/437	Straussnigg, Dietmar	US 20030165159
3	375/150	Branlund, Dale A. et al.	US 20030086366
4		Alamouti, Siavash et al.	US 20020159506
5		Agee, Brian G. et al.	US 20020122465
6	370/431	Seagraves, Ernest	US 20010031016
7	370/506; 370/510; 375/343; 375/360	Smart, Kevin J. et al.	US 6735255
8	375/260; 375/326; 375/371	Strait, Jeffrey C.	US 6643340
9	370/292; 375/231; 375/232; 375/348; 375/350; 455/307; 708/323	Long, Guozhu et al.	US 6628704
10	370/242; 375/135	Agee, Brian G. et al.	US 6621851
11	375/350	Strait, Jeffrey C.	US 6608864
12	375/150; 375/349	Alamouti, Siavash et al.	US 6600776
13	375/150; 375/347	Alamouti, Siavash et al.	US 6584144

	Document ID	Issue Date	Pages	Title	Current OR
14	US 6546056 B1	20030408	15	Timing recovery in a multi-tone modem	375/260
15	US 6480522 B1	20021112	179	Method of polling second stations for functional quality and maintenance data in a discrete multitone spread spectrum communications system	375/130
16	US 6438186 B1	20020820	7	Carrier phase derived symbol timing	375/354
17	US 6359923 B1	20020319	244	Highly bandwidth efficient communications	375/130
18	US 6353629 B1	20020305	23	Poly-path time domain equalization	375/222
19	US 6137839 A	20001024	57	Variable scaling of 16-bit fixed point fast fourier forward and inverse transforms to improve precision for implementation of discrete multitone for asymmetric digital subscriber loops	375/260
20	US 6055268 A	20000425	75	Multimode digital modem	375/229
21	US 6044107 A	20000328	76	Method for interoperability of a T1E1.4 compliant ADSL modem and a simpler modem	375/222
22	US 6038251 A	20000314	75	Direct equalization method	375/222
23	US 6021167 A	20000201	61	Fast equalizer training and frame synchronization algorithms for discrete multi-tone (DMT) system	375/354
24	US 6021158 A	20000201	78	Hybrid wireless wire-line network integration and management	375/211
25	US 6002722 A	19991214		Multimode digital modem	375/295
26	US 5999563 A	19991207		Rate negotiation for variable-rate digital subscriber line signaling	375/222
27	US 5987061 A	19991116	73	Modem initialization process for line code and rate selection in DSL data	375/222
28	US 5970088 A	19991019	64	Reverse channel next cancellation for MDSL modem pool	375/222

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14	375/364	Rosenlof, John R.	US 6546056
15	370/242; 375/135	Hoole, Elliott et al.	US 6480522
16	375/260; 375/326; 375/371	Strait, Jeffrey C.	US 6438186
17	370/342; 375/135; 375/136	Agee, Brian G. et al.	US 6359923
18	375/229; 375/349; 375/350; 708/312; 708/323	Pal, Debajyoti	US 6353629
19	370/210	Mannering, Dennis G. et al.	US 6137839
20	375/231	Timm, William C. et al.	US 6055268
21		Gatherer, Alan et al.	US 6044107
22	375/229; 375/231	Chen, Walter Y.	US 6038251
23	375/222	Wu, Song	US 6021167
24	375/220	Schurr, Paul E. et al.	US 6021158
25	375/222; 375/357	Wu, Song	
26	370/229; 370/484; 370/494; 375/219	Polley, Michael O. et al.	
27		Chen, Walter Y.	US 5987061
28	370/201; 375/346; 379/417	Chen, Walter Y.	US 5970088

	Document ID	Issue Date	Pages	Title	Current OR
29	US 5910970 A	19990608	62	MDSL host interface requirement specification	375/377
30	US 5909463 A	19990601	24	Single-chip software configurable transceiver for asymmetric communication system	375/220

	Current XRef	Inventor	Image Doc. Displayed
29	375/222; 379/93.01; 709/200	Lu, Xiaolin	US 5910970
30	370/276; 370/295; 370/464; 370/480; 375/219; 375/221; 375/222; 455/73	Johnson, Terence L. et al.	US 5909463